

## Abstract

A computer fan assembly mechanism having filtering and sterilizing functions comprises a fan body. An air passageway is formed at a hollow portion in the fan body. The air passageway has an intake and an air vent, which corresponds to the fan, is located on the fan body. A photo-catalytic net is disposed at the intake. One or more UV LEDs are disposed on the air passageway to illuminate the photo-catalytic net. Through illumination of the UV LED onto the photo-catalytic net, the object of filtering and sterilizing air passing the intake can be accomplished.

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